UNIVERSITY OF PUERTO RICO
MAYAGUEZ CAMPUS
COLLEGE OF AGRICULTURAL SCIENCES
DEPARTMENT OF CROP PROTECTION

COURSE SYLLABUS

General information:

Course Number: **PROC 4018**
Course title: **Introduction to Plant-Nematology**
Credit hours: Three credit hours

Course Description:

General discussion of history, morphology, classification, and life cycles of nematodes, with emphasis in those plant-parasitic species of economic importance. Study and practice of the basic methodology used for nematode analyses from soil and plant tissues. Students will recognized and identified the most abundant genera. The use of commercial nematicides and others methods of control are discussed.

Pre/Co-requisites:

ZOOL 3005

Textbooks:

Fitonematología Tropical. 1978. J. Román. (author) E.E.A., Río Piedras, Puerto Rico.

Nematodos: Diagnóstico y Control. 1984. J. Román y N. Acosta (authors). E.E.A., Río Piedras, Puerto Rico.

Purpose:

This course is a requirement for majors in Crop Protection Department

Course Goals:

At the end of course the student must be familiarized with the basic principles and practices involved in nematode diagnosis and control. As a future professional the student should know how to identify and solve problems caused by nematodes.

Requirements:

Students are expected to attend all classes and laboratories, do all assigned readings and related homework and come to classes prepared for questions and quizzes.

Laboratory/Field Work:

Laboratories are considered a major part of the course and all students are expected to participate.

Department/Campus Policies:

Class attendance. Class attendance is compulsory. The University of Puerto Rico, Mayagüez Campus, reserves the right to deal at any time with individual cases of non-attendance. Professors are expected to record the absences of their students. Frequent absences affect the final grade, and may even result in total loss of credits. Arranging to make up work missed because of legitimate class absence is the responsibility of the student. (Bulletin of Information Undergraduate Studies, pp. 47, 2000-2001.

Absence from examinations. Students are required to attend all examinations. If a student is absent from an examination for a justifiable reason acceptable to the professor, he or she will be given a special examination. Otherwise, he or she will receive a grade of zero or "F" in the examination missed. (Bulletin of Information Undergraduate Studies, pp. 47, 2000-2001).

Final examinations: Final written examinations must be given in all courses unless, in the judgment of the Dean, the nature of the subject makes it impracticable. Final examinations scheduled by arrangements must be given during the examination period prescribed in the Academic Calendar, including Saturdays. (See Bulletin of Information Undergraduate Studies, pp. 47, 2000-2001).

Partial withdrawals. A student may withdraw from individual courses at any time during the term, but before the deadline established in the University Academic Calendar. (See Bulletin of Information Undergraduate Studies, pp. 45, 2000-2001.

Complete withdrawals. A student may completely withdraw from the University of Puerto Rico, Mayagüez Campus, at any time up to the last day of classes. (See Bulletin of Information Undergraduate Studies, pp. 46, 2000-2001.

Disabilities. All the reasonable accommodations according to the Americans with Disability Act (ADA) Law will be coordinated with the Dean of Students and in accordance with the particular needs of the student.

Ethics. Any academic fraud is subject to the disciplinary sanctions described in the General Student Bylaws of the UPR contained in Certification 018-1997-98 of the Board of Trustees.

Campus Resources:

General Library and Faculty Computer Center is available to obtain professor's reference materials. Also, a Tropical Agriculture Library at the Río Piedras Experimental Station is available to obtain specific references.

General Topics:

Introduction to Nematology
Methodology
Morphology and Anatomy
Taxonomy
Control of Nematodes
Chemical Control
Non-Chemical Control
Developing a nematode management program
Laboratory Section